PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference T2191-808028		FOR FURTHER ACTION		cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5					
International application No. PCT/US03/34501		International filing date (day/month/year) 30 October 2003 (30.10.2003)		(Earliest) Priority Date (day/month/year)					
Applicant THERMOCOM, INC.									
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 3 sheets. It is also accompanied by a copy of each prior art document cited in this report.									
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this									
Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form.									
	filed together with the international application in computer readable form. furnished subsequently to this Authority in written form.								
ן ו		furnished subsequently to this Authority in written form.							
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[the statement that the inform furnished.	the statement that the information recorded in computer readable form is identical to the written sequence listing has been							
2.	Certain claims were found	unsearchable (Sce Box I).		DOOMETED					
3.	Unity of invention is lackin	g (See Box II).	, n	DOCKETED					
4. V	Vith regard to the title, the text is approved as submit	itted by the applicant	⊠ Y	(1) (1) ON 11-100+					
<u></u>	-	by this Authority to read as follows:	o JC	JE DATE 12304					
				\LLUP					
5. V	Vith regard to the abstract,								
L	= :	the text is approved as submitted by the applicant.							
L		the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.							
6. 1	he figure of the drawings to be pub	lished with the abstract is Figure No.	2						
	as suggested by the applicant	I.	None of the figures						
[because the applicant failed t	to suggest a figure.							
[because this figure better cha	aracterizes the invention.							
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Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34501

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT A thermionic electric converter includes a cathode output enhancing laser (374)operable to direct a laser beam (376) to strike an emissive surface of a cathode emitter (321), to increase the electron output of the cathode emitter (321). The cathode output enhancing laser (374) is positioned to direct a laser beam (375) through an opening (370)in the anode (306) or target structure, in the direction of the cathode emitter (321). An electron repulsion ring (380) is provided at an edge of the opening (370) in the anode (306), to reduce the number of electrons missing the anode (306) and passing through the opening (370) in the anode (306).							

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No."

			01/0000/54501						
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H01J 45/00 US CL : 310/306									
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED									
Minimum documentation searched (classification system followed by classification symbols) U.S.: 310/306, 310; 322/2R; 376/321									
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched EPO, JPO, DERWENT, IBM TBD's, US-PGPUBS									
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST									
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category *	Citation of document, with indication, where a	ppropriate, of the relevant	passages	Relevant to claim No.					
X	US 5,924,834 (DAVIS) 24 August 1999 (24.08.1999		1, 14-16						
Х	US 4,323,808 A (DAVIS) 06 April 1982 (06.04.1982	1, 2							
Α	US 5,459,367 A (DAVIS) 17 October 1995 (17.10.19	1, 19							
Further	documents are listed in the continuation of Box C.	See patent fan	nily annex.						
• s	pecial categories of cited documents:			ational filing date or priority					
	defining the general state of the art which is not considered to be of relevance		ry underlying the invent	on but cited to understand the ion					
"E" earlier app	plication or patent published on or after the international filing date	considered novel	or cannot be considered	imed invention cannot be I to involve an inventive step					
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	when the document is taken alone "Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being							
	referring to an oral disclosure, use, exhibition or other means	obvious to a pers	on skilled in the art						
priority d	published prior to the international filing date but later than the ate claimed		er of the same patent fa	mily					
	ctual completion of the international search	Date of mailing of the international search report							
19 July 2004	<u> </u>	Authorized affice	<u> </u>						
	uiling address of the ISA/US	Authorized officer							
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Alexandria, Virginia 22313-1450 Telephone No. (571) 272-2022 770. Facsimile No. (703)305-3230									
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